

NAME _____

Date _____ Period _____

Section 2.6

ALGEBRA

Word Problems Involving Averages: Practice A

Solve the problems below and fill your answer in the grid

- 1). A football team has played 3 games so far this season. The amount of points they scored in those games is 10, 9, and 14. What is their average score for a game?

1					
	/	/	/		
	0	0	0	0	0
	1	1	1	1	1
	2	2	2	2	2
	3	3	3	3	3
	4	4	4	4	4
	5	5	5	5	5
	6	6	6	6	6
	7	7	7	7	7
	8	8	8	8	8
	9	9	9	9	9

- 2). Ms. Smith bowls three games with scores of 200, 180, and 155. What was her average?

1					
	/	/	/		
	0	0	0	0	0
	1	1	1	1	1
	2	2	2	2	2
	3	3	3	3	3
	4	4	4	4	4
	5	5	5	5	5
	6	6	6	6	6
	7	7	7	7	7
	8	8	8	8	8
	9	9	9	9	9

- 3) Betty bowled 3 games. The first 2 games her scores were 200 and 90. Her average score was 140. What did she bowl in the 3rd game? (Hint: use x for what she bowled in the 3rd game and write an equation. Then solve for x .)
- 4) Sal bought 4 DVD's at the store. The cost of the first 3 movies was \$12, \$14, and \$18. The average price he paid for a movie was no more than \$15. What was the most money he could have spent on the 4th movie?

- 5) Lola's scores in two bowling games were 160 and 185. He needs an average score of at least 175 to win a championship. What is the minimum score Lola can receive in a 3rd game in order to win the championship? Fill the answer in the grid.

1				
	/	/	/	
	0	0	0	0
	0	0	0	0
	1	1	1	1
	2	2	2	2
	3	3	3	3
	4	4	4	4
	5	5	5	5
	6	6	6	6
	7	7	7	7
	8	8	8	8
	9	9	9	9

- 6) Look at the chart below that shows the number of students on the different teams.

Team	Number of students
Football	52
Baseball	28
Basketball	30
Soccer	x

The average number of students on a team is 41. What is the minimum number of students that could play on the soccer team? Fill your answer in the grid.

1				
	/	/	/	
	0	0	0	0
	0	0	0	0
	1	1	1	1
	2	2	2	2
	3	3	3	3
	4	4	4	4
	5	5	5	5
	6	6	6	6
	7	7	7	7
	8	8	8	8
	9	9	9	9